GENERATING FACILITY APPLICATION

Section 1 - Introduction and Overview

1.1 Applicability: This application is required to interconnect (grid inter-tie) any generating facility (GF) to the Frederick Power and Light (FP&L) electrical distribution system. Refer to IEEE 1547 and UL 1741 and Frederick Power and Light's Rules and Regulations for specific interconnection requirements. This application is specifically intended for renewable energy generating systems that will use Net Metering installed at a customer's account location.

1.2 Interconnection Application Requirements: Upon receipt of the Application and the Section 1.4 Required Documents, Frederick Power and Light will review the application and contact the Customer if there are any problems or if additional information is required. Unauthorized parallel GF interconnections will be required to disconnect from the Frederick Power and Light electric distribution system. Refusal to disconnect may result in discontinuance of electric service.

Please note, other approvals, permits and/or other agreements will be needed from other regulatory agencies, such as, homeowner associations, and other local governmental building and planning commissions prior to operating a Generating Facility. Frederick Power and Light's authorization to operate the Generating Facility does not satisfy the need for applicants to acquire other approvals and permits.

1.3 Overview of Process: Once you receive approval of your application and have the necessary building permits you may begin construction. When construction is complete, call for your inspections. Be sure to ask your electrical inspector to phone or fax the final inspection report to our Operations Department. This is the only way to get your net-meter scheduled for installation. We will not accept copies of final inspection reports from anyone other than the inspector. The inspection report must clearly state that the inspection was for a net-meter installation. This step is especially important if your renewable energy system is part of new construction.

Note: If you intend to apply for a FP&L Renewable Energy Rebate you must also complete a FP&L Renewable Energy Rebate Application.

1.4 Required Documents: One copy of this Application, and each of the following documents must be submitted with a GF application. Drawings must conform to accepted engineering standards and must be legible. Standard 8 ½" X 11" drawings are preferred.

a) A Single-line drawing showing the electrical relationship and descriptions of the significant electrical components such as the PV array, wind generator inverter, Utility disconnect switch, AC panels, conductor sizes, utility meter and the appropriate operating voltages, capacities, and protective functions of the Generating Facility.

b) Site plans and diagrams showing the physical location of the PV array, the inverter, AC panel, lockable disconnect at the meter location, the utility meter and any other utility equipment.

c) **Equipment data sheets** for the inverter, PV array panels, wind generator, disconnect switches and other related equipment.

d) **Interconnection Agreement Contract for Service** which must be signed by the customer and will be executed by Frederick Power and Light. **An executable version of this Contract will be mailed to you once this application is reviewed and approved.**

1.5 Completed Application: Completed applications should be submitted, along with the required attachments to:

Frederick Power and Light
401 Locust Street
P.O. Box 435
Frederick, Colorado 80530

SECTION 2 - CUSTOMER INFORMATION

2.1 Customer GF Information - Where will the Generating Facility be located/installed?
FP&L Account Number that this system is connecting to: _____

Name on Frederick Power and Light account: _____

Customer Contact Person: _____

Phone: _____ Email: _____

Street Address: _____

Mailing Address: _____

City: _____ State: _____ Zip:_____

2.2 Proposed GF Start-Up Date: _____

SECTION 3 - GF INFORMATION (fill each blank and attach manufacturer data sheets)

3.1 DC System Size (output) KW
Roof or ground mount: _____

Azimuth:_____ Tilt Angle:_____

PV Watts estimated annual production:_____ total estimated kWh/year.
Please attach printout of PV Watts assumptions, derate factor details (if varying from default values), and production estimation page.

3.2 Inverter Data (Please attach manufacturer data sheets)

Manufacturer		Nameplate Rating	kW
Model (Name/Number)		AC Output Voltage	Volts
Software Version (Number)		Maximum Current Output	Amps
		DC Input Voltage	Volts

3.3 FP&L Lockable Disconnect Switch A breaker or switch capable of isolating all components of a renewable energy generator must be available next to the meter. Existing meter, breaker panel, or pedestal may qualify.

3.4 Customer AC Service Panel
Service panel size: Amps_____ Service panel short circuit rating: Amps _____

SECTION 4 - INSTALLER INFORMATION

4.1 Company Name:_____

Company phone: _____website: _____

Company address (street, city, state, zip, county): _____

_____

Project contact name:_____

Project contact phone:_____ email:_____

Installer Qualifications/Certifications held: _____

4.2 INSTALLER CERTIFICATION:
I acknowledge by my signature that the system which I propose to installed as indicated in this application will meet all requirements:

Signature _____

Printed Name_____ Date:_____

Section 5 - Signature and Checklist

ALL Generating Facility applicants must sign below regardless if applying or not applying for a rebate.
The applicant hereby certifies that the above information, along with the attached plans and project descriptions, are correct. The applicant agrees to comply with the provisions of the Frederick Power and Light Rules and Regulations, Interconnection Standards for Generating Facilities and all other laws and ordinances affecting the construction, installation and operation of the proposed generating facility.
Signature of Applicant: _____Date: _____

I have read the FP&L Net-Metering Tariff Sheet (available with Net-Metering Contract for Service) (Initial) _____
I understand that I will be asked to commit my Renewable Energy Credits (REC's) to FP&L for 20 years as a part of the Net-Metering Contract for Service (Initial) _____

Application Checklist:

- Completed Frederick Power and Light Generating Facility Application For Residential Renewables.
- Attached a site plan showing where everything will be located as described in section 1.4-b.
- Completed the customer account, GF location, and contractor information in section 2.
- Indicated when you would like to begin operating your GF in section 2.2.
- Completed all information in section 3 and attached the inverter manufacturer data sheets.
- Completed the information about your service panel in section 3.4.
- One complete copy of your application and related information and drawings.
- Return the signed and dated application and Contract for Electric Service for Net-Metering.

If you are applying for a rebate, please provide additional Rebate documentation by attaching FP&L Renewable Energy Rebate Application.

To be completed by FP&L Personnel Only:

Customer Location #: _____
Date Received: _____Time: _____
Application Completed & Accepted: Yes _____ No _____
Employee Signature: _____ Date: _____